Program Description/Textbook or Print Instructional Material

Vendor:	**Glencoe/McGraw-Hill**	**Web Address:**	**http://www.glencoe.com**
Title:	**TECHNOLOGY TODAY AND TOMORROW**		
Author:	**Brusic, et al**	**Copyright:**	**2004**
ISBN:	**0078308291**	**Course/Content Area:**	**INDUSTRIAL TECH ED**
Intended Grade or Level:	**9-12**	**Readability Level:**	**9 Fry**
List Price:	**N/A**	**Lowest Wholesale Price:**	**37.98**

Level of Accommodations (Level One, Two or Three)

If Level Two or Three, please provide rationale for not meeting Level One Compliance: The cost of compliance at any level is too high given the low enrollment in this curriculum area..

FEATURES*

*DISCLAIMER: The features of each book or program were developed by the publisher and do not reflect the opinion of the State Textbook/Instructional Materials Review Team, State Textbook Commission, or the Kentucky Department of Education.

Content

Technology Today and Tomorrow presents all the fundamental concepts of a high school introductory technology course, including design and problem solving, communication, manufacturing, construction, transportation and bio-related technology. The content addresses the Benchmark Topics for grades 9-12 of the Standards for Technological Literacy.

Student Experiences

Technology Today and Tomorrow is designed to meet the needs of all students. With its easy-on-the-eyes visuals, one-column printed format and hands-on activities, Technology Today and Tomorrow will motivate students to learn and apply the problem solving steps of technology.

Assessment

Each Chapter of *Technology Today and Tomorrow* ends with a chapter review including Reviewing Main Ideas, Understanding Concepts, Thinking Critically, Applying Concepts and Solving Problems for students to evaluate their own learning. Students will be able to show mastery of concepts by applying their knowledge in hands-on labs called Design, and Problem-Solving Activity found at the end of each Section. More formal tests are available for each Chapter in the Teacher Resource Guide, and computer generated tests are available on the Teacher Productivity CD-ROM.   ExamView ® test generator, part of the Teacher Productivity CD-ROM, allows teachers to customize their own tests.

Organization

Technology Today and Tomorrow is composed of 6 Sections, divided into 24 Chapters. Each Chapter begins with a Timeline, Objectives, and Terms. The lessons in the Chapters follows a straightforward format with clearly identified headings, colorful, interesting photography, infographics, and features that help students link the content to their own lives. In-text features include Mathematics (Science) Connection (How to Read Graphs), and Fascinating Facts. Each Section begins with a TIME Techno Report highlighting technology advances we will soon be seeing, and ends with one hands-on Design and Problem-Solving Activity and at least two hands-on Directed Activities.

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<u>**Resource Materials**</u>
- **Gratis Items To Be Provided And Under What Conditions**

Free, 1 Per Teacher: Teacher Annotated Edition, Teacher Resource Guide, Teacher Productivity CD-ROM, Student Workbook TAE

- **Available Ancillary Materials**

All Items Listed Above as Gratis Items

RESEARCH DATA/EVIDENCE OF EFFECTIVENESS**

**DISCLAIMER: The Research Data/Evidence of Effectiveness was provided by the publisher and do not reflect the opinion of the State Textbook/Instructional Materials Review Team, State Textbook Commission, or the Kentucky Department of Education.

<u>Research Data</u>

Technology Today and Tomorrow was written and organized to meet the National Standards for Technological Literacy as well as state adoption standards. In the planning stages of the text, research was done to provide up-to-date material covering the different areas of technology. Feedback from teachers who used previous editions has been incorporated in order to meet the needs of teachers and students in the classroom. The activities at the end of each Section have been field-tested in the classroom.

Group V - Career/Technical Vocational/Practical Living Education Instructional Materials Evaluation Tool Technology Education

Title: Technology Today and Tomorrow $37.98
Publisher:Glenco/McGraw-Hill
Item Evaluated: Student Text/Teacher Text/Student Workbook/Teacher Resource Guide

Copyright Date: 2004	**Evaluator: Kay Turner**
Content Level: 9-12	**Date of Evaluation 7/28/03**

Level of Alternative Format	Level 1 – Full Compliance	Level 2 – Provisional Compliance	Level 3 – Marginal Compliance
This section completed by Exceptional Children Services			

Overall Strengths and/or Weaknesses

Disclaimer: Comments on the strengths and/or weaknesses of each book, material or program were written by members of the State Textbook/Instructional Materials Review Team and reflect their opinions . They do not reflect the opinions of the State Textbook Commission nor the Kentucky Department of Education. In addition, the State Textbook/ Instructional Materials Review Team completed each evaluation form during the week of July 28-Aug. 1, 2003. In order to maintain the integrity of the of the review team's comments, editing was limited to spelling and punctuation.

Recommendations:
X Recommended by reviewers to State Textbook Commission
☐ Not recommended by reviewers to State Textbook Commission

Publisher's Explanation of Reviewer's Comments: By action of the State Textbook Commission, publishers are provided limited space, 150 words, to respond to what they may consider factual errors made by the reviewers in the evaluation.

Group V - Career/Technical Vocational/Practical Living Education Instructional Materials Evaluation Tool Technology Education

Title: Technology Today and Tomorrow	Publisher Glencoe/McGraw-Hill

Technology Management Summary Data:	20 possible points	____0_____ points earned

Technology Management Comments:

Technology Presentation/Interface Summary Data:	40 possible points	____0_____ points earned

Technology Presentation/Interface Comments:

Content Summary Data:	20 possible points	___13_____ points earned

Content Comments:

Instruction & Management Summary Data	52 possible points	____31_____points earned

Instruction & Management Comments:

Organization & Structure Summary Data	36 possible points	____23_____ points earned

Organization & Structure Comments:

Resource Material Summary Data	40 possible points	____19_____points earned

Resource Material Comments:

Group V - Career /Technical & Vocational/Practical Living
Electronic Instructional Media Review Form
Stand Alone/Independent or Integrated Software for Technology Education

Equipment (circle or change fill color)
Windows
Macintosh
CD-ROM
DVD
Sound
Other

If other, explain
No CD included!

Grade Level (circle or change fill color)
Primary
Intermediate
Middle
High

Audience (circle or change fill color)
Individual
Small Group
Large Group

Format (circle or change fill color)
Stand Alone/Independent
Integrated
Supplemental
In lieu of basal test

Cost _____

_____single copy	_____site license
_____network version	_____school version
____lab pack of ___ copies	_____online

Type of Software: Check all that apply	_____Simulation	_____Management	_____Interdisciplinary	_____Problem Solving	____Tutorial
	_____Exploratory	_____Creativity	_____Drill and Practice	_____Critical Thinking	_____Utility	___X__Other:

Rating Scale:	3—Some of the time	1—None of the time
4—All or the time	2—Minimally	0— Not applicable

Management	Rating
Allows customizing for individual learning needs.	
Allows students to exit and resume at a later time.	
Keeps a students performance record, where needed.	
Allows control of various aspects of the software (e.g., turning sound off).	
Allows for printed reports.	
Comments:	Total 0

Presentation/Interface	Rating
Presents material in an organized manner.	
Has consistent, easy-to-use, on-screen instructions.	
Has developmentally correct presentation format.	
Adapts to different learning environments (learning styles/multiple intelligences, etc.)	
Accessible for special needs students.	
Runs smoothly, without long delays.	
Presents easy-to-view text and graphics.	
Presents easy-to-hear and understand sounds.	
Avoids unnecessary screens, sounds, and graphics.	
Provides immediate, appropriate feedback.	
Comments:	Total 0

Content—Technology Education	Rating
Nature of Technology	3
Technology and Society	3
Design	2
Abilities for a Technological World	3
The Design World	2
Comments:	**Total 13**

Rating Scale:	2—Minimally
4—All or the time	1—None of the time
3—Some of the time	0— Not applicable

Instruction and Assessment	Rating
Identifies a Sense of Purpose	3
Builds on Student Ideals	2
Engages Students	2
Develops Technology Ideas	2
Promotes Student Thinking	2
Assesses Student Progress	2
Enhances The Learning Environment	3
Reading level is appropriate for interest and ability level of intended student group; level remains consistent throughout.	3
Commonwealth Accountability Testing System (CATS) "like" Assessment is provided	3
Variety of Assessments (diagnostic, formative, summative, open response, multiple choice, individual, small group, oral, demonstrations, presentations, self and peer performance, portfolio prompts) is included.	2
Includes activities and opportunities for integration of technology.	3
Reflects researched-based practices (e.g. hands-on activities, technology, problem-solving situations)	2
Differentiation techniques and activities suggested.	2
Comments:	**Total 31**

Rating Scale:	3 – Some potential for learning	1 - Not present
4 – High potential for learning	2 – Little potential for learning	0 – Not applicable

Organization and Structure	Rating
Organization is logical and allows for spiraling of content.	2
Vocabulary and key terms are clearly defined and easily accessible within each lesson.	3
Visual illustrations (e.g. graphs, charts, models) and examples are clearly presented and content-related.	2
Illustrations and language reflect diversity (e.g. racial, ethnic, cultural, age, gender, disabilities).	2
Legible type, length of lines, spacing, and page layout and width of margins contribute to overall appearance and use.	3
Student materials seem durable and conducive to daily use.	2
Includes sufficient glossary, index and appendices.	3
Employs accurate grammar and spelling	3
Organization of material can be effectively used with Standards Based Units, Core Content and Program of Studies.	3
Comments:	**Total**

Resource Materials	Rating
Teacher materials coordinate easily with student materials (e.g. additional resources included at point of need, student pages shown, integration of technology indicated)	3
Activities are included that adapt to the various learning styles, intelligences, and interest/ability levels.	2
Extension activities including adaptations and accommodations for students with special needs.	2
Resources provide objectives, background information, common student errors, hints, advice for lesson implementation and real-world connections, connections with career and/technology and references (e.g. solution manuals, study guides)	3
Suggestions are made for integration of themes and /or interdisciplinary instruction.	3
Integration opportunities suggested and examples given.	2
Teacher resources are available online.	1
Online resources available – Repeat of information in text.	1
Online resources available – Practice skills only.	1
Online resources available – New application materials.	1
Comments:	**Total 19**

Rating Scale:	2—Minimally
4—All or the time	1—None of the time
3—Some of the time	0— Not applicable